



Performance Data Sheet

AWG4530EXN

General Information

Model	AWG4530EXN	Refrigerant	R-22
Test Condition	ARI	Performance Test Voltage	230V ~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	Motor Type	CSR

Performance Information

Evap Temp (°F)	Condensing Temperature (°F)							
		80	90	100	110	120	130	140
20	Btu/h	24200	22500	20800	19200	17600	16000	14300
	Watts	1970	2090	2190	2300	2390	2470	2530
	Amps	9.71	10.2	10.7	11.1	11.4	11.7	12.0
	Lb/h	298	288	277	267	255	243	228
25	Btu/h	27200	25400	23600	21900	20100	18300	16500
	Watts	2040	2160	2280	2400	2510	2600	2680
	Amps	9.98	10.5	11.0	11.5	11.9	12.3	12.6
	Lb/h	334	323	313	302	290	277	262
30	Btu/h	30500	28600	26700	24800	22900	20900	18900
	Watts	2100	2230	2370	2500	2620	2730	2830
	Amps	10.2	10.8	11.4	11.9	12.4	12.8	13.2
	Lb/h	372	361	350	339	327	314	298
35	Btu/h	34000	31900	29900	27800	25800	23700	21500
	Watts	2150	2300	2440	2590	2730	2860	2970
	Amps	10.5	11.1	11.7	12.3	12.8	13.3	13.8
	Lb/h	412	401	390	379	366	352	336
40	Btu/h	37800	35500	33300	31100	28900	26600	24200
	Watts	2200	2360	2520	2680	2830	2980	3110
	Amps	10.7	11.4	12.0	12.6	13.2	13.8	14.4
	Lb/h	455	444	433	421	408	394	377
45	Btu/h	41800	39400	37000	34700	32300	29800	27200
	Watts	2250	2420	2590	2760	2930	3090	3240
	Amps	10.9	11.6	12.3	13.0	13.6	14.3	15.0
	Lb/h	500	489	478	466	453	438	421
50	Btu/h	46000	43500	41000	38500	35900	33200	30400
	Watts	2300	2480	2660	2850	3030	3200	3370
	Amps	11.1	11.8	12.5	13.3	14.0	14.8	15.5
	Lb/h	548	537	526	514	500	485	467
55	Btu/h	50600	47900	45200	42500	39700	36800	33900
	Watts	2350	2530	2730	2920	3120	3310	3490
	Amps	11.3	12.0	12.8	13.6	14.4	15.2	16.0
	Lb/h	599	588	577	564	550	534	516

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	3.077298E+04	1.331490E+03	2.246849E+00	3.419665E+02
C2	5.123261E+02	2.238730E+00	6.840753E-02	4.735307E+00
C3	-3.116114E+02	-7.478225E-01	1.177754E-01	-3.586371E+00
C4	4.565987E+00	-4.884939E-02	3.434172E-05	3.519833E-02
C5	-2.744251E-01	9.093671E-02	-8.808268E-04	1.498448E-02
C6	1.622231E+00	1.068787E-01	-4.998705E-04	2.575698E-02
C7	1.511150E-02	5.422858E-04	-2.492524E-06	1.530000E-04
C8	-1.593535E-02	-8.339924E-04	-1.323525E-06	-1.045111E-05
C9	-7.999993E-03	1.141977E-03	9.856152E-06	-9.397779E-05
C10	-4.402672E-03	-5.383100E-04	1.251975E-07	-8.418590E-05

$$\text{Value} = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3$$

Te = Evaporator Temperature

Tc = Condensing Temperature